AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (currently amended) A method for managing files in a file system, comprising:

receiving data for a file;

~~storing~~ breaking the data ~~for~~ in the file in__to__ a plurality of segments;

generating an index associated with the file indicating how the file data maps to the segments;

receiving an Input/Output request with respect to ~~an~~ a requested address in the file;

using the index ~~for~~ associated with the file to determine the segment including data at the requested address in the file; ~~and~~

accessing the determined segment including the data at the requested address~~.~~;

storing the segments in a primary storage;

copying at least one of the segments in the primary storage onto a secondary storage; and

releasing at least one of the segments copied to the secondary storage, wherein space used by the released segment in the primary storage is available for use.

Claim 2 (original) The method of claim 1, wherein data is stored in the segments by:

writing the received file data to one segment; and